



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 36
Deepwater Horizon Incident, Gulf of Mexico
Date: June 2, 2010
To: Incident Command
Thru: Planning Section
From: Situation Unit
Operational Period: May 31, 2010 0700 – June 3, 2010 0700
Reporting Period: June 1, 2010 1300 – June 2, 2010 1300

1. Background

Site Name: Deepwater Horizon Incident **FPN#:** N10036
Mobilization Date: 4/27/2010 **Start Date:** 4/28/2010

2. Current Situation

- The incident status summary as reported in the BP Situation Executive Summary as of 0600 on 06/02:
 - 18,018 personnel and 1,783 offshore vessels are currently responding to the incident.
 - Over 2 million feet of containment boom and 2.1 million feet of sorbent boom have been deployed.
 - Over 338,848 barrels of an oil-water mix have been recovered.
 - On 6/01, 4 controlled burns were conducted. A cumulative total of 125 controlled burns have been conducted.
 - On 6/03, BP plans to finish diamond saw cut on riser, and begin placing LMPR cap over top of BOP.

Summary of Dispersant Data (from UC Situation Executive Summary)

	TOTALS for 6/01 (gal.)	CUMULATIVE TOTALS as of 6/01 (gal.)
Surface	11,686	755,893
Subsurface	13,122	238,530

2.1 (USCG) Incident Command Post (Houma, LA).

- EPA coordinated a meeting with OSHA on 6/1 with Department of Labor, CDC, Incident Command and NIH / NIEHS to discuss hazard and Risk Communication for Responders and Public, and combining and reporting air sampling and monitoring data to concerned parties and public.
- EPA personnel participated in tour with EPA Administrator Jackson on 6/1 of the Unified Command Houma Facility, including a SCAT briefing and situational update.
- EPA coordinated with BP waste team on regional office questions to Waste Plan and Waste Tracking.
- EPA attended town hall meeting in Slidell, LA to answer questions for the public.
- EPA Data Management Team proposed to BP Health and Safety to post all of their air monitoring and sampling data to SCRIBE.
- EPA continued processing and verifying subsurface NOAA SMART data that is being produced daily off-shore. EPA also continued refining the data deliverable process for this data.
- USCG is being inserted into SCAT teams, and the documentation of the SCAT process is being tightened up.

2.2 (USCG) Area Command Post (Robert, LA)

- EPA coordinated with USCG and BP personnel to institute a process for streamlining BP notification to EPA of forthcoming request for dispersant approval.
- EPA staff made a supplemental request to BP for results of air monitoring data associated with health and safety of cleanup workers.

2.3 Air Monitoring/Sampling

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
 - Venice, LA - V02;
 - Boothville, LA - V03;
 - Fort Jackson, LA - V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
 - Poydras, LA - located at Fire Station number 8;
 - Chalmette, LA - C04 - located at Fire Station on Aycok St.;
 - Hopedale, LA, - located at Fire Station number 11.
- Each Venice and Chalmette air monitoring location has 4 pieces of air equipment:
 - EBAM (Particulate Monitors);
 - AreaRae/MultiRae - monitoring VOCs;
 - PQ200 - samples for PM2.5;
 - SUMMA Canister - sample for VOCs.
- EPA continues to conduct air monitoring and sampling in the Grand Isle operations area (VOCs)
 - Fourchon, LA - GI01 - Fourchon Beach
 - Grand Isle, LA - GI02 - located at Grand Isle State Park

- Each Grand Isle air sampling locations is equipped with 1 Summa Canister for VOC sampling.
- Air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at the Mobile Command Posts in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters, REOC, and external response partners.
- The Data Manager discovered a data gap while down loading 5/31/10 data during the morning of 6/1/10. The gap occurred from 0900-1300 at stations C04 and C05, for the AreaRAE data. The gap was due to an extremely heavy thunderstorm in the area. On 5/31, the Chalmette air sampling team began assembling and calibrating a high volume air sampling instrument with a PUF attached head. The instrument will be utilized to collect air samples onto a PUF filter media for semi-volatile organic materials. The team will begin sampling on 6/02.
- The Chalmette air sampling team is currently setting up and calibrating a high volume air sampling instrument with PUF attached head. The instrument will be utilized to collect air samples onto a PUF filter media for semi-volatile organic materials. The team will begin sampling on 6/1/10.
- Venice MultiRae unit 21154 was deployed during two different monitoring shifts at two different Stations (V02 and V03). At each location the instrument logged that H2S was detected between 0.2 and 0.6 ppm. Based on the fact that Unit 21154 reported similar readings at two different locations, and other MultiRae instruments did not record elevated readings, it is believed that the elevated H2S data from MultiRae 21154 was a result of false positive detections or sensor drift.
- Venice Night-Ops crews reported 2 H2S exceedances of the site specific action levels established for air quality. Crews noted no sulfur odors. Activities in the area may have contributed to false positive readings. Exceedance will be investigated and discussed in the next SitRep.

EPA summary of air monitoring/sampling activities:

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/31
Venice	3 locs/24-hr	3 locs/24-hr	3	3	6
Chalmette	3 locs/24-hr	3 locs/24-hr	3	3	6
Grand Isle	-	-	2	-	2
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	324	192	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are

sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- On 6/1, the Cocodrie Water Operations Team conducted reconnaissance for areas in which significant amounts of oil are accumulating.
- After reviewing the SCAT maps for the area, the Cocodrie Water Operations Team concentrated their 6/1/10 efforts in coastal areas of Terrebonne parish, in Terrebonne Bay. The team collected water and 1 sediment sample from the Bay and Timbalier Island.
- On 6/1/10, personnel and resources were mobilized to the Grand Isle area to conduct reconnaissance and sampling activities.
- The Grand Isle team coordinated with BP cleanup contractors on 6/1 to collect samples from the area's most heavily impacted by the spill. At the time of this report, the team has not contacted the regional command post to report their sampling numbers.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 6/1
Venice	8	0	8
Chalmette	0	0	0
Cocodrie	4	1	5
Grand Isle	3	0	3
TOTAL TO DATE	240	71	

*QAQC samples not included in sample count

2.5 TAGA

- On 6/01, TAGA performed mobile monitoring for oil dispersant indicator compounds in Southern MS and AL and FL Panhandle - Stennis Space Center to Perdido Key, FL.
- On 6/02, TAGA will perform mobile monitoring for oil dispersant indicator compounds in Southern LA - Stennis Space Center to Hopedale, LA; Delacroix, LA and Bohemia, LA

2.6 ASPECT

- On 6/02, ASPECT began a flight along a 60 mile length of beach from Bastian Island to Timbalier Island.
- On 6/02, ASPECT documented 5 boats conducting skimming operations in the rig area. The crew reported that oil in the rig area displayed a layered appearance.

2.7 Water Quality Protection Division Update

- A Water Quality Protection Division situation update is attached.

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
EPA										
- OSC	4	2	1		1	1	1	1		11
- RSC	13		1							14
- PIO		1								1
- Other	4	1		1						6
START	6	1	1		12	19	3	2		44
ERT Contractor										
TAGA Personnel									5	5
ASPECT Personnel									4	4
Other										
TOTALS	27	5	3	1	13	20	4	3	9	85

Deployed Equipment

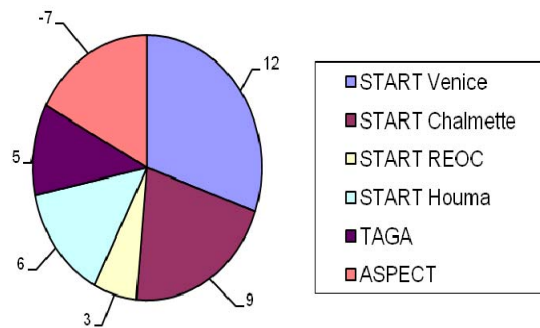
Equipment	Dallas, TX	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Venice, LA	Cocodrie, LA	Grand Isle, LA	Slidell, LA	TOTALS
Mobile Command Post						1				1
ASPECT									1	1
TAGA Bus									1	1
LRV		1			1					2
Gooseneck Trailer						1				1
20 KW Generator						1				1
Boat (R7)								1		1

* One TAGA bus has been assigned to Region 4 Operations

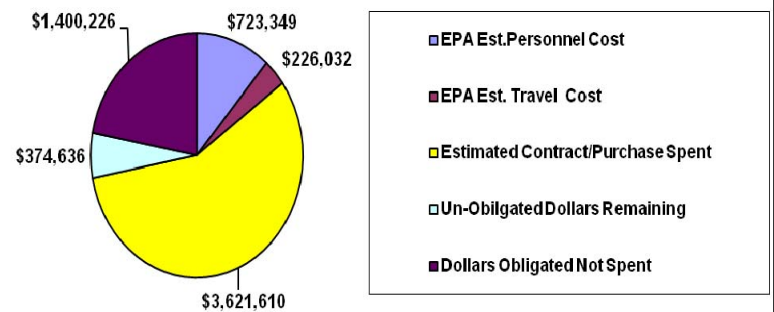
4. Daily Cost Estimates

	Authorized Ceiling	EPA Est. Personnel Cost	EPA Est. Travel Cost	Estimated Contract/ Purchase Spent	TOTAL Estimated Expenditure	Balance (Ceiling minus Expenditures)	TOTAL Contract/ Purchase OBLIGATIONS.	Est. Daily Burn Rate	Un-Obligated Dollars Remaining	Dollars Obligated Not Spent
USCG PRFA FPN N10036 \$7,178,429 Total \$1,000,000 4/28/10 \$4,000,000 5/05/10 \$178,429.10 5/17/10 \$2,000,000 5/28/10	\$6,345,853	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,636	\$1,400,226
TOTAL OPA FUNDED	\$6,345,853	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,636	\$1,400,226
Region 6 Indirect Rate 13.12%	\$832,576									
Louisiana Total	\$7,178,429	\$723,349	\$226,032	\$3,621,610	\$4,570,991	\$1,774,862	\$5,021,836	\$203,070	\$374,636	\$1,400,226

Contract days remaining



Expenditures & Obligations vs \$ Un-Obligated

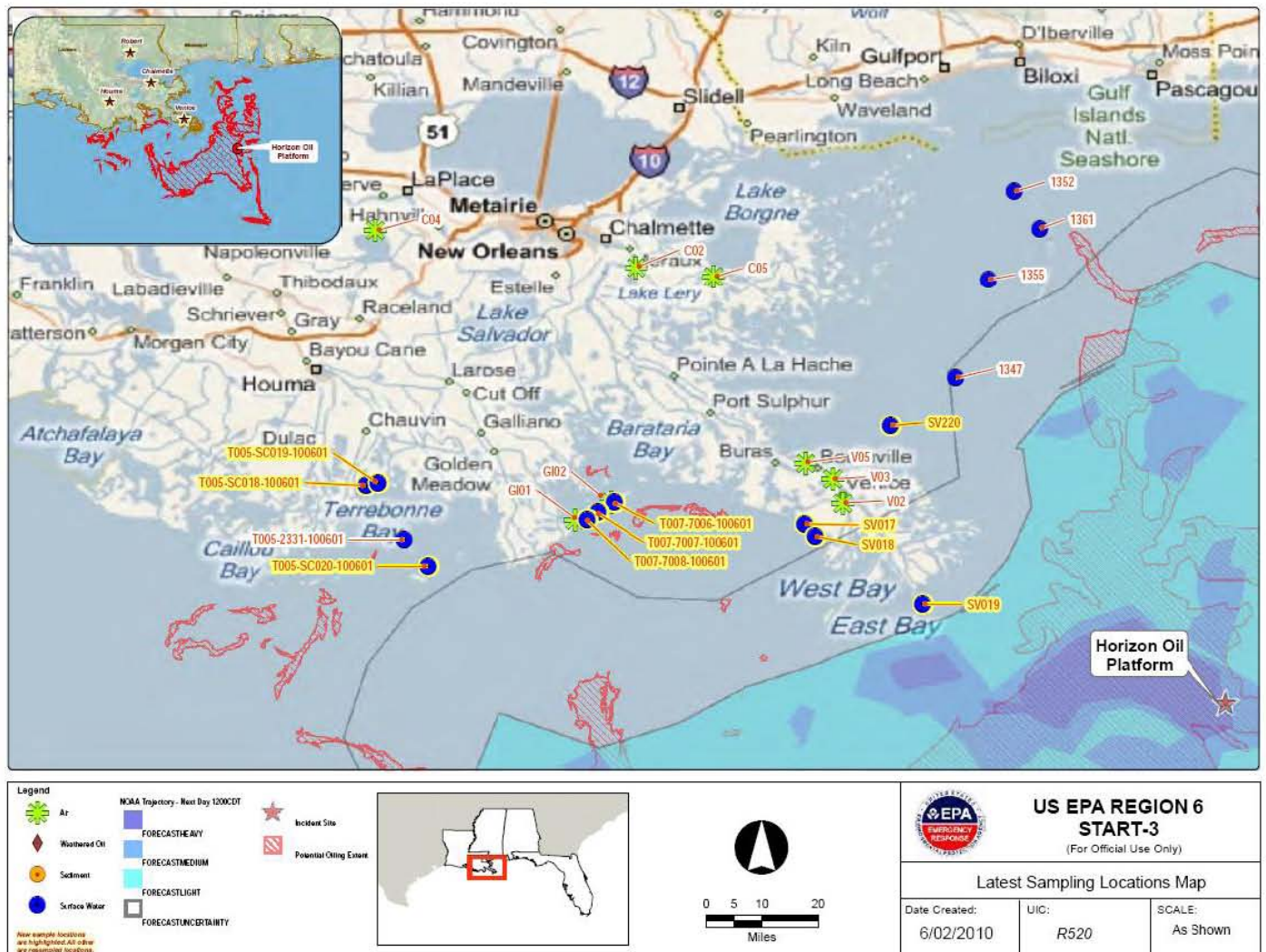


- Currently redistributing funds between different activities to ensure all activities are funded through the remainder of the period of performance.



Figure 1 Oil skimming operations on 6/01.

Monitoring/Sampling Locations



Nearshore Surface Oil Forecast Deepwater Horizon MC252

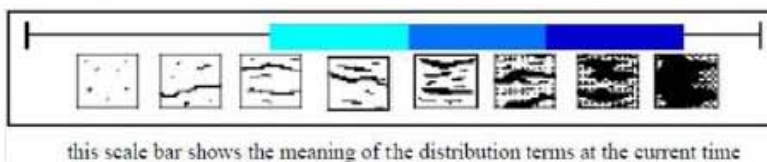
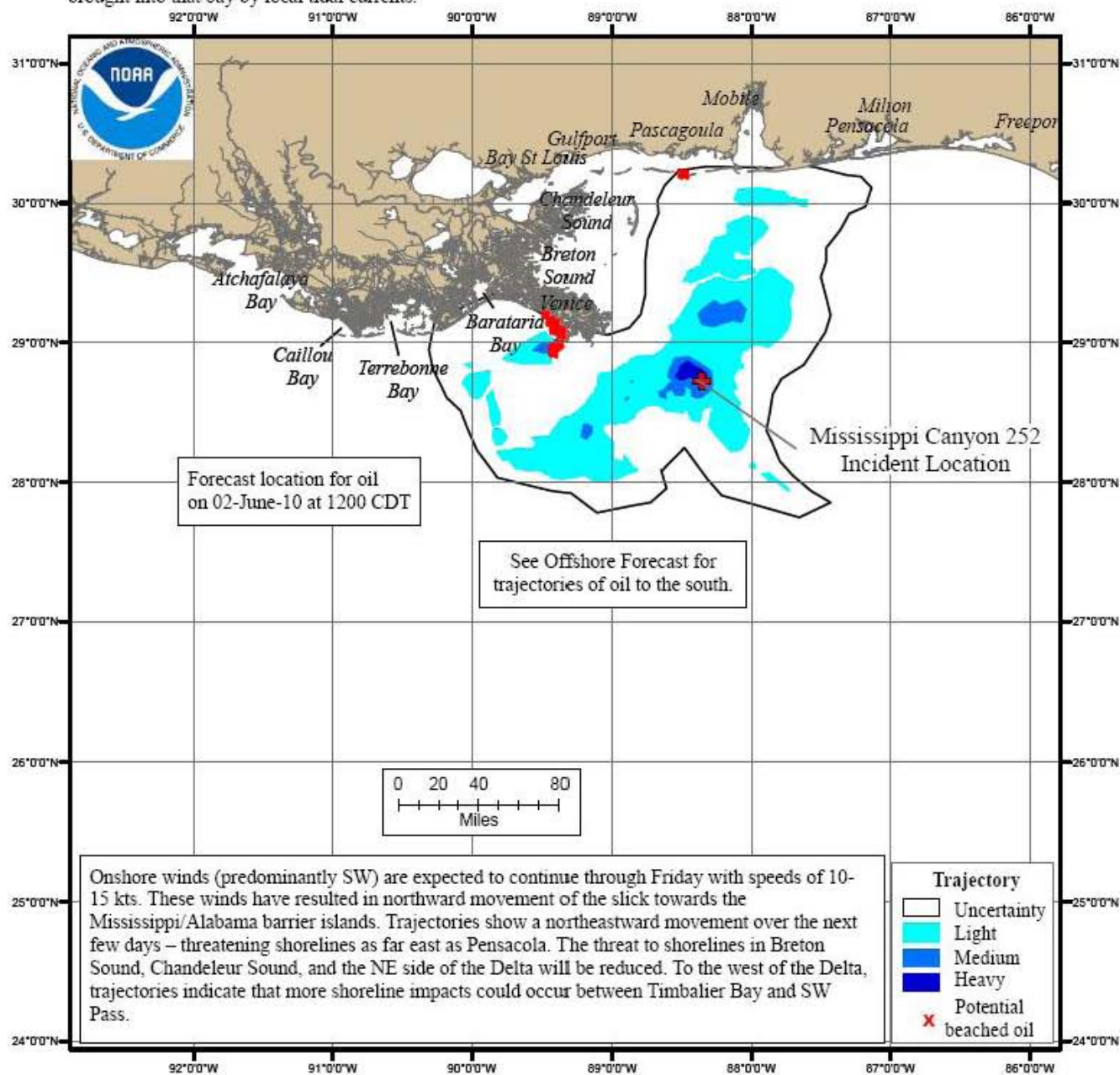
NOAA/NOS/OR&R

Nearshore

Estimate for: 1200 CDT, Wednesday, 6/02/10

Date Prepared: 2100 CDT, Tuesday, 6/01/10

This forecast is based on the NWS spot forecast from Tuesday, June 1 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR measurements. The model was initialized from Tuesday satellite imagery analysis (NOAA/NESDIS) and overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



Next Forecast:
June 2nd PM